IN THE SPECIFICATION

Please insert the following on page 1 after the Title of the Invention:

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application is a national stage application under 35 U.S.C. § 371 of International Application No. PCT/SE2004/000432, filed March 22, 2004, which claims priority from Swedish Application No. 0300808-3, filed March 21, 2003, the disclosures of which are hereby incorporated by reference herein.

BACKGROUND OF THE INVENTION

Please amend the heading at page 2, line 12 as follows:

SUMMARY OF THE INVENTION~~Short description of the invention~~

Please amend the paragraph at page 3, lines 18-25 as follows:

The invention also relates to a lens, suitable for x-rays, comprising a body with low-Z material having a first end adapted to receive rays emitted from a ray source and a second end from which the rays received at the first end are refracted. The lens comprises ~~tow~~ two portions, each portion having columns of stacked substantially identical prisms, each portion being arranged in an angle ~~angel~~ relative to each other. The prisms are produced by removal of material corresponding to a multiple of a phase-shift length (L_{2n}) of a multiple of 2n. The columns are displaced relative to each other. In one embodiment, ~~said~~ the columns are rotated relative each other. The columns may be arranged in series.

Please amend the heading at page 4, line 16 as follows:

BRIEF DESCRIPTION OF THE DRAWINGS~~Short description of the drawings~~

Please insert the following heading before page 5, line 8:

DETAILED DESCRIPTION

Please amend the paragraph at page 6, lines 4-8 as follows:

Following definitions and geometrical relations are valid concerning the element 20 in FIG. 2:

$$\tan \Theta = 2h/b,\ y_a = M \cdot h,\ L = N \cdot b,\ \alpha = y_g/L \qquad (3)$$

wherein Θ is the ~~angel~~ angle between ~~a~~ the triangle shaped prism sides, h is the height of a triangle shaped prism, b is the base width of a triangle shaped prism, y_g is the inclination height of the column, y_a is the column height, M is the number of the prisms in height direction, L is the length of the column, N is the number of the prisms in the length direction, and α is the inclination angle of the columns.

Please amend the paragraph at page 12, lines 3-5 as follows:

Transmission and averaged transmission as a function of physical lens aperture described by the dimensionless ~~dimension-less~~ parameter q is illustrated in FIG. 7. This pertains only to the special case y_=_1.

Please amend the paragraph at page 12, lines 20-25 as follows:

The lens according to the preferred embodiment of the invention can be used in an x-ray apparatus 86, as illustrated

very schematically in FIG. 8, comprising an x-ray source 88, the lens 80 (combined refractive elements) and a detector assembly 87. Of course, the apparatus can comprise an array of refractive elements or lenses and the lenses can be arranged in a different position in the ray path. The detector assembly can be any of a film, a semiconductor detector, gaseous detector, etc.